

EPA-1005

"Steve Marschke"
<smarschke@scainc.com>

05/09/2011 12:27 PM

To "Harry Pettengill", Reid Rosnick

cc Iskoski, djohngoldin, "Gary at Quality Lapel Pins", Valentine
Anoma

bcc

Subject Re: Update

2 attachments



CBUP Evap Pnd EDR_C132241-01[1].pdf



WA1-04 Task 5 - Revised Draft.pdf

Harry, et al,

Attached is the 1988 Engineering Design Report for the Crow Butte evaporation ponds. I also have all the maps (6 files) that go with this EDR, or they are available through NRC's ADAMS.

I also attached the WA 1-04, Task 5 report that Les and I prepared. Section 3.1 of that report describes the ponds at Crow Butte, Christensen Ranch, Irigaray, and Smith Ranch.

Steve

----- Original Message -----

From: [Harry Pettengill](mailto:Harry.Pettengill)

To: Rosnick.Reid@epamail.epa.gov

Cc: Iskoski@aol.com ; djohngoldin@comcast.net ; smarschke@scainc.com ; 'Gary at Quality Lapel Pins' ; Anoma.Valentine@epamail.epa.gov

Sent: Wednesday, April 27, 2011 10:48 AM

Subject: FW: Update

Reid,

Below is the latest exchange with Gary on the existence and status of ISL evaporation ponds. When Gary gets back in town I'll have him forward any e-mail contacts he has so you can try from the federal sector to help get important input data. My quick observation is the two ponds at Smith Ranch appear to be active 25 years after construction which I would believe is well beyond design life. For Crow Butte they list 3 commercial ponds and 2 R&D ponds. We know the R&D ponds were built in 1990 so this is one to pursue as that site was in operation for many years.

Team,

Per Gary's request if you know of any available data on ISL evaporation pond constructions please pass it along to all of us.

Val,

This data we are trying to locate is rather key to your EIA part of the subpart W review. There were no operational heap leaches in this time period, only three mills and we have the data on them, so the ponds at ISL's become the all important issue for us and you to complete the EIA portion on subpart W.

Harry

From: Gary at Quality Lapel Pins [mailto:gary@qualitylapelpins.com]
Sent: Tuesday, April 26, 2011 11:03 AM
To: Harry Pettengill
Subject: Update

Harry: Here is where I am at on the ISL Waste Water Management:

I contacted the Licensee representatives in Texas, New Mexico, Wyoming, and Nebraska. They were not cooperative with giving me the information that I wanted (pond design, liner specifications, size of pond, and construction date as well as the use of deep well injection and land spreading). They referred me to State or Federal Regulatory contacts (by the way, most of the people that I and You know at the ISL sites have followed your lead and retired, so we are dealing with a new folks).

I contacted the NRC project managers and requested information. They indicated that they do not have the staff and resources to help, so they suggested utilizing ADAMS. I spent hours pouring over the database with few positive results. I also contacted the State contacts. Wyoming also said they have no staff and no resources and suggested that I review the Annual Reports. I look these up in ADAMS and there is a limited amount of information. The State of New Mexico, also stated that they could not help. Texas on the other hand said that they will cooperate and can forward information to me by the second week of May.

This has been a rather frustrating project. Do you know if anyone else on the team has any information? I am trying to populate the table shown below.

Operation	Evaporation pond?	Date Pond was constructed ?	Size of pond in acres	Synthetic liner under pond?	Leak detection system?	Deep well injection
Cameco, Smith Ranch	East and west ponds	1986, per annual report	8.6 acres (table 3.1 2010 annual rpt)	Yes	Yes, ponds have had leaks	Yes, used for almost of the waste water, started in 1999
Cameco, Crow Butte	3 commercial ponds and 2 R&D ponds	R&D ponds 1990		Yes	Yes	Yes all bleed stream
Hydro Resources, Crown Point						

Hydro Resources, Church Rock						
Mestena, Alta Mesa						
Uranium Resources Inc., Kingsville Dome						
Uranium Resources Inc., Vaquez						
Uranium Resources Inc., Rosita						
Mestena, Alta Mesa						
STMV, La Palangana						